

AMBIENT AIR MONITORING
SUSPENDED PARTICULATE CONCENTRATIONS

2ND QUARTER 1989

CONCENTRATION ug/m3

SAMPLE DATE	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
APR-04-89	12	17	21
APR-10-89	13	11	16
APR-16-89	12	22	42
APR-22-89	24	22	53
APR-28-89	10	9	12
MAY-04-89	12	16	30
MAY-10-89	30	22	61
MAY-16-89	9	11	19
MAY-22-89	16	32	68
MAY-28-89	27	15	56
JUN-03-89	9	8	15
JUN-09-89	10	8	18
JUN-15-89	9	13	37
JUN-21-89	6	12	28
JUN-27-89	11	13	33

Quarterly
 Arithmetic
 Mean

14	16	N/A
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Annual
 Arithmetic
 Mean (ytd)

13	15	N/A
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Highest
 Concentration (ytd)

30	32	68
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Lowest
 Concentration (ytd)

6	7	11
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Wyoming State Standards:

50 ug/m3 annual arithmetic mean (PM10)
 150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

AMBIENT AIR MONITORING
SUSPENDED PARTICULATE CONCENTRATIONS
3RD QUARTER 1989

SAMPLE DATE -----	CONCENTRATION ug/m3 -----		
	SITE 1-PM10 -----	SITE 2-PM10 -----	SITE 2-TSP -----
JUL-03-89	22	22	40
JUL-09-89	20	32	89
JUL-15-89	13	13	41
JUL-21-89	16	19	42
JUL-27-89	10	17	49
AUG-02-89	13	18	60
AUG-08-89	18	18	31
AUG-14-89	9	12	25
AUG-20-89	10	9	25
AUG-26-89	11	13	25
SEP-01-89	25	24	49
SEP-07-89	23	23	PO
SEP-13-89	15	20	33
SEP-19-89	6	12	22
SEP-25-89	20	23	36

Quarterly
Arithmetic
Mean

15

18

N/A

Annual
Arithmetic
Mean (ytd)

14

16

N/A

Highest
Concentration (ytd)

30

32

89

Lowest
Concentration (ytd)

6

7

11

Wyoming State Standards:

50 ug/m3 annual arithmetic mean (PM10)

150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

AMBIENT AIR MONITORING
 SUSPENDED PARTICULATE CONCENTRATIONS
 4TH QUARTER 1989

	CONCENTRATION ug/m3		
SAMPLE DATE	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
OCT-01-89	7	13	34
OCT-07-89	9	21	44
OCT-13-89	12	17	33
OCT-19-89	16	18	35
OCT-25-89	19	5	20
OCT-31-89	8	11	16
NOV-06-89	6	15	39
NOV-12-89	7	25	66
NOV-18-89	8	13	35
NOV-24-89	6	11	30
NOV-30-89	34	50	129
DEC-06-89	9	11	17
DEC-12-89	6	14	44
DEC-18-89	11	12	16
DEC-24-89	6	10	20
DEC-30-89	7	12	
DEC-31-89	SHOULD HAVE RUN ON DEC-30-89.		28
Quarterly Arithmetic Mean	11	16	N/A
Annual Arithmetic Mean (ytd)	13	16	N/A
Highest Concentration (ytd)	34	50	129
Lowest Concentration (ytd)	6	5	11

Wyoming State Standards:

50 ug/m3 annual arithmetic mean (PM10)

150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

AMBIENT AIR MONITORING

SUSPENDED PARTICULATE CONCENTRATIONS

1ST QUARTER 1990

SAMPLE DATE	CONCENTRATION ug/m3		
	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
JAN-05-90	5	7	45
JAN-11-90	EM	5	11
JAN-17-90	9	11	23
JAN-23-90	11	22	84
JAN-29-90	12	12	42
FEB-04-90	11	14	27
FEB-10-90	9	9	35
FEB-16-90	6	7	19
FEB-22-90	6	9	26
FEB-28-90	10	11	19
MAR-06-90	4	4	6
MAR-12-90	4	5	13
MAR-18-90	10	13	21
MAR-24-90	14	16	34
MAR-30-90	15	15	21

Quarterly
Arithmetic
Mean

9

11

N/A

Annual
Arithmetic
Mean (ytd)

9

11

N/A

Highest
Concentration (ytd)

15

22

84

Lowest
Concentration (ytd)

4

4

6

Wyoming State Standards:

50 ug/m3 annual arithmetic mean (PM10)

150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

AMBIENT AIR MONITORING

PENDED PARTICULATE CONCENTRATIONS

2ND QUARTER 1990

SAMPLE DATE	CONCENTRATION ug/m3		
	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
APR-05-90	17	16	30
APR-11-90	9	12	18
APR-17-90	13	13	33
APR-23-90	10	12	20
APR-29-90	5	7	11
MAY-05-90	12	10	26
MAY-11-90	13	12	26
MAY-17-90	12	16	27
MAY-23-90	16	21	87
MAY-29-90	9	11	16
JUN-04-90	14	EM	60
JUN-10-90	12	17	48
JUN-16-90	7	9	18
JUN-22-90	17	18	33
JUN-28-90	21	26	69
Quarterly Arithmetic Mean	12	14	N/A
Annual Arithmetic Mean (ytd)	11	12	N/A
Highest Concentration (ytd)	21	26	87
Lowest Concentration (ytd)	4	4	6

Wyoming State Standards:

50 ug/m3 annual arithmetic mean (PM10)
150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

3RD QUARTER 1990

CONCENTRATION $\mu\text{g}/\text{m}^3$

SAMPLE DATE	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
JUL-04-90	14	14	26
JUL-10-90	11	13	26
JUL-16-90	12	23	53
JUL-22-90	EM	11	18
JUL-28-90	13	17	44
AUG-03-90	23	24	43
AUG-09-90	27	28	73
AUG-15-90	14	14	25
AUG-21-90	15	17	34
AUG-27-90	21	30	52
SEP-02-90	11	12	18
SEP-08-90	17	22	37
SEP-14-90	30	29	54
SEP-20-90	9	10	12
SEP-26-90	7	7	13

Quarterly
Arithmetic
Mean

16 18 N/A

Annual
Arithmetic
Mean (ytd)

12 14 N/A

Highest
Concentration (ytd)

30 30 87

Lowest
Concentration (ytd)

4 4 6

Wyoming

Standards:

50

Arithmetic mean (PM10)

150

Maximum 24 hour concentration (PM10 and TSP)

TMC-GR

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AMBIENT AIR MONITORING
 SUSPENDED PARTICULATE CONCENTRATIONS
 4TH QUARTER 1990

SAMPLE DATE -----	CONCENTRATION ug/m3 -----		
	SITE 1-PM10 -----	SITE 2-PM10 -----	SITE 2-TSP -----
OCT-02-90	18	28	120
OCT-08-90	10	12	22
OCT-14-90	10	16	45
OCT-20-90	8	8	10
OCT-26-90	10	12	21
NOV-01-90	11	11	17
NOV-07-90	9	11	19
NOV-13-90	20	25	53
NOV-19-90	10	10	12
NOV-25-90	3	8	24
DEC-01-90	9	14	25
DEC-07-90	6	13	28
DEC-13-90	13	11	27
DEC-19-90	15	21	60
DEC-25-90	3	10	33
DEC-31-90	6	16	43
Quarterly Arithmetic Mean	10	14	N/A
Annual Arithmetic Mean (ytd)	12	14	N/A
Highest Concentration (ytd)	30	30	120
Lowest Concentration (ytd)	3	4	6

Wyoming State Standards:
 50 ug/m3 annual arithmetic mean (PM10)
 150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

AMBIENT AIR MONITORING
SUSPENDED PARTICULATE CONCENTRATION
1ST QUARTER 1991



SAMPLE DATE	CONCENTRATION ug/m3		
	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
JAN-06-91	26	47	EM
JAN-12-91	4	8	24
JAN-18-91	6	11	22
JAN-24-91	8	EM	30
JAN-30-91	6	EM	33
FEB-05-91	23	30	59
FEB-11-91	18	36	EM
FEB-17-91	3	5	14
FEB-23-91	11	14	35
MAR-01-91	5	5	13
MAR-07-91	5	12	55
MAR-13-91	8	7	12
MAR-19-91	14	27	69
MAR-25-91	20	21	EM
MAR-31-91	11	12	21
Quarterly Arithmetic Mean	11	18	N/A
Annual Arithmetic Mean (ytd)	11	18	N/A
Highest Concentration (ytd)	26	47	69
Lowest Concentration (ytd)	3	5	12

Wyoming State Standards:
50 ug/m3 annual arithmetic mean (PM10)
150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

AMBIENT AIR MONITORING

SUSPENDED PARTICULATE CONCENTRATIONS

2ND QUARTER 1991

SAMPLE DATE	CONCENTRATION ug/m3		
	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
APR-06-91	17	37	103
APR-12-91	4	4	EM
APR-18-91	8	11	EM
APR-24-91	7	10	29
APR-30-91	5	9	21
MAY-06-91	14	18	30
MAY-12-91	7	20	67
MAY-18-91	79	69	258
MAY-24-91	8	9	20
MAY-30-91	9	14	46
JUN-05-91	10	17	54
JUN-11-91	20	33	66
JUN-17-91	16	25	56
JUN-23-91	18	29	73
JUN-29-91	13	20	54
Quarterly Arithmetic Mean	16	22	N/A
Annual Arithmetic Mean (ytd)	13	20	N/A
Highest Concentration (ytd)	79	69	258
Lowest Concentration (ytd)	3	4	12

Wyoming State Standards:

50 ug/m3 annual arithmetic mean (PM10)

150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

AMBIENT AIR MONITORING

SUSPENDED PARTICULATE CONCENTRATIONS

3RD QUARTER 1991

CONCENTRATION ug/m3

SAMPLE DATE	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
JUL-05-91	14	25	53
JUL-11-91	13	15	26
JUL-17-91	19	24	74
JUL-23-91	12	14	28
JUL-29-91	24	23	50
AUG-04-91	13	14	17
AUG-10-91	18	18	38
AUG-16-91	11	16	26
AUG-22-91	18	27	60
AUG-28-91	16	18	29
SEP-03-91	23	22	42
SEP-09-91	13	13	38
SEP-15-91	6	12	32
SEP-21-91	PO	PO	PO
SEP-27-91	15	38	EM
Quarterly Arithmetic Mean	15	20	N/A
Annual Arithmetic Mean (ytd)	14	20	N/A
Highest Concentration (ytd)	79	69	258
Lowest Concentration (ytd)	3	4	12

Wyoming State Standards:

50 ug/m3 annual arithmetic mean (PM10)

150 ug/m3 maximum 24 hour concentration (PM10 and TSP)

AMBIENT AIR MONITORING

SUSPENDED PARTICULATE CONCENTRATIONS

4TH QUARTER 1991

SAMPLE DATE	CONCENTRATION ug/m3		
	SITE 1-PM10	SITE 2-PM10	SITE 2-TSP
OCT-03-91	28	38	156
OCT-09-91	25	21	EM
OCT-15-91	7	17	41
OCT-21-91	11	22	55
OCT-27-91	4	8	26
NOV-02-91	EM	12	26
NOV-08-91	13	13	19
NOV-14-91	6	6	14
NOV-20-91	3	4	7
NOV-26-91	3	6	15
DEC-02-91	4	6	19
DEC-08-91	3	11	29
DEC-14-91	17	14	38
DEC-20-91	11	18	19
DEC-26-91	50	60	43
Quarterly Arithmetic Mean	13	17	N/A
Annual Arithmetic Mean (ytd)	14	19	N/A
Highest Concentration (ytd)	79	69	258
Lowest Concentration (ytd)	3	4	7

Wyoming State Standards:

50 ug/m3 annual arithmetic mean (PM10)

150 ug/m3 maximum 24 hour concentration (PM10 and TSP)